

Attorney Docket No. 400846/MELCO

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

TOYOSHIMA et al.

Application No. 09/738,855

Art Unit: 3729

Filed: December 18, 2000

Examiner: R. Chang

For: METHOD OF PRODUCING A MULTI-LAYERED WIRING BOARD

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RESPONSE TO OFFICE ACTION

TECHNOLOGY CENTER R3700

Commissioner for Patents  
Washington, D.C. 20231

Dear Sir:

In response to the Office Action dated September 6, 2002, please enter the following amendments and consider the following remarks.

AMENDMENTS

IN THE CLAIMS:

Replace the indicated claims with:

1. (Amended) A method of producing a multi-layered wiring board comprising:  
forming an insulating layer of a photosensitive resin on a substrate, and exposing and developing said insulating layer to form holes having respective sizes in said insulating layer;  
depositing a curable resin onto said insulating layer having the holes and filling the holes, and heating said curable resin to form a cured thin film of said curable resin at an interface of said insulating layer and said curable resin; and  
removing said curable resin, but not said cured thin film of said curable resin, leaving via-holes where the holes were made in said insulating layer, the via-holes being smaller in size than the holes due to said cured thin film remaining in the holes on said insulating film.

3729



FORM PTO-1083

PATENT  
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TECHNOLOGY CENTER R3700

Sir:

Transmitted herewith is a response to an office action in the subject application.

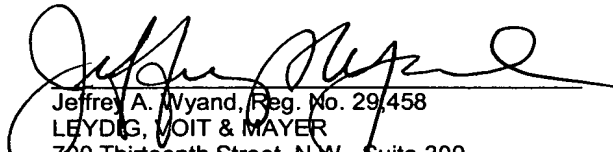
- ☐ Applicants claim small entity status of this application under 37 CFR 1.27.
- ☒ Petition for Extension of Time
- ☐ Applicants petition for a one-month extension of time under 37 CFR 1.136, the fee for which is \$110.00 (enclosed).
- ☒ Applicants believe that no petition for an extension of time is necessary. However, to the extent that such petition is deemed necessary, Applicants hereby petition for a sufficient extension of time to render the present submission timely. Please charge Deposit Account No. 12-1216 for the appropriate petition fee.
- ☒ No additional claim fee is required.
- ☐ Other:

The claim fee has been calculated as shown below:

|                          |                                      |   |       |  | SMALL ENTITY                                |                            | OTHER THAN A SMALL ENTITY |                        |        |                        |
|--------------------------|--------------------------------------|---|-------|--|---|----------------------------|---------------------------|------------------------|--------|------------------------|
|                          |                                      | CLAIMS<br>REMAINING<br>AFTER<br>AMENDMENT |       |  | HIGHEST<br>NUMBER<br>PREVIOUSLY<br>PAID FOR | EXTRA<br>CLAIMS<br>PRESENT | RATE                      | ADDIT.<br>CLAIM<br>FEE | RATE   | ADDIT.<br>CLAIM<br>FEE |
| TOTAL                    |                                      |   | MINUS |  | =   |                            | x 9=                      | \$                     | x 18=  | \$                     |
| INDEPENDENT              |                                      |   | MINUS |  | =   |                            | x 42=                     | \$                     | x 84=  | \$                     |
| <input type="checkbox"/> | FIRST PRESENTATION OF MULTIPLE CLAIM |   |       |  |   |                            | + 140=                    | \$                     | + 280= | \$                     |
|                          |                                      |   |       |  |   |                            | TOTAL                     | \$                     | TOTAL  | \$                     |

- ☐ Please charge my Deposit Account No. 12-1216 in the amount of \$ . A duplicate copy of this sheet is attached.
- ☐ A check in the amount of \$ is attached.
- ☒ The Commissioner is hereby authorized to charge any deficiencies in the following fees associated with this communication or credit any overpayment to Deposit Account No. 12-1216. A duplicate copy of this sheet is attached.
- ☒ Any filing fees under 37 CFR 1.16 for the presentation of extra claims.
- ☒ Any patent application processing fees under 37 CFR 1.17.

Respectfully submitted,

  
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Date: November 15, 2002  
JAW:ves